

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Work Order ID 164846

Thursday, August 03, 2017 8:01:31 AM

164846

Page 2

Item ID: D206-648-013BL

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Ground Handling Wheel Modification

Start Date: 8/3/2017 Start Qty: 8.00

8

Cust Item ID:

Required Date: 8/10/2017 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: ST636

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D206-648-013

8DAS
28
9-89

AUG 23 2017

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.80

Quality Control

DAS
21
9-89

AUG 22 2017

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev I

Thursday, August 03, 2017 8:01:34 AM

164846

***D206-648-013RI ***

Required Date: 8/10/2017

Required Qty: 8.00

Comments: IPP Rev:A05.09.23New issueKJ/JLM
IPP Rev:B 07-12-05 ECN 1080p DD verified by: IPP REV:C
15.10.09 ADDED BL DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3414-041BL		Manufactured	No			110	Each	6.0000	2	16			
*D3414-041RI *									**	B/64228.		DAS 27 9-89	DAS 26 9-89
Lug												AUG 2 2 2017	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST531		6							
					161528	6							
D2652		Manufactured	No			110	Each	44.0000	8	64			
D2652									**	B/64472.		DAS 27 9-89	DAS 26 9-89
Bushing												AUG 2 2 2017	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				FG		44							
					31985	44							
AN3C37A		Purchased	No			110	Each	93.0000	4	32			
AN3C37A									**			DAS 27 9-89	DAS 26 9-89
BOLT												AUG 2 2 2017	
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				OVER002		78							
				m137867		8							
				m137868		70				32x.			
				ST347		15							
				m122204		3							
				m137840		12							

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
CAG 05 28-0 2A TS 08-0 08-0				CAG 05 28-0 2A TS 08-0 08-0				Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER :							

Picklist Print

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Page 2

Work Order ID: 164846

164846

Parent Item: D206-648-013BL

***D206-648-013RI ***

Parent Item Name: Ground Handling Wheel Modification

Start Date: 8/3/2017

Required Date: 8/10/2017

Start Qty: 8.00

Required Qty: 8.00

NAS1149C0363R

Purchased

No

110

Each

219.0000

4

32

NAS1149C0363R

Washer

**

DAS
27
9-89

DAS
26
9-89

AUG 22 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

266

131

m137495

131

FP001

82

m133077

82

GA

6

m133077

6

MS21043-3

Purchased

No

110

Each

904.0000

4

32

MS21043-3

Nut

**

DAS
27
9-89

DAS
26
9-89

AUG 22 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

80

103691

80

FP001

114

m136182

114

GA

51

m136182

51

ST302

659

m137587

159

m138040

500

32x.

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Shop Packet Print

Page 2

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

Work Order ID 164846

Thursday, August 03, 2017 8:01:31 AM

164846

Page 1

Item ID: D206-648-013BL

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop ***NS2***

Item Name: Ground Handling Wheel Modification

Start Date: 8/3/2017 Start Qty: 8.00

8

Cust Item ID:

Required Date: 8/10/2017 Req'd Qty: 8.00

8

Customer:

Reference:

Approvals:

Process Plan:

Date: AUG 6 3 2017

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

AUG 03 2017

100

Document Control

0.00

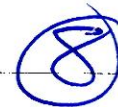
100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D206-648-013
CHG002DAS
5
9-89

AUG 14 2017

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.24

Quality Control

FOR INSTALLATION INSTRUCTIONS/REQUIREMENTS AND TECHNICAL INFORMATION SEE APPLICABLE
DART INSTALLATION INSTRUCTIONS.

REFERENCE ONLY

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D206-648-011	GROUND HANDLING KIT
	X	D206-648-013	GROUND HANDLING KIT
8	8	D2652	BUSHING
2		D2659	GHW LUG
	2	D3414-041	LUG ASSEMBLY
4		AN3-37A	BOLT
	4	AN3C37A	BOLT
	4	AN960C10	WASHER
4		AN960JD10	WASHER
4		MS21042-3	NUT (OR MS21042L3)
	4	MS21043-3	NUT

RELEASED
09/12/16

B	INSTALLATION AND WEIGHT AND BALANCE INFORMATION TRANSFERRED TO DART INSTALLATION INSTRUCTIONS D206-642. ALL HARDWARE UPDATED TO SS HARDWARE.		AJS	08.09.24
A	NEW ISSUE		JB	97.11.03
REV.	DESCRIPTION		BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	AJS			
CHECKED		DRAWING NO.	REV. B	
MFG. APPR.	N/A	D206-648	SHEET 1 OF 1	
APPROVED		TITLE	SCALE	
DE APPR.		GND HANDLING WHEEL (GHW) INSTL	NONE	
DATE	08.09.24		COPYRIGHT © 1997 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	